

# **VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM**

Software Release

8.32

PrISMS Contract

01/25/02



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, Alabama 35812

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.32**

Prepared by

	<u>01/25/02</u>
Desiree Gaiser	Date
Technical Lead	

Reviewed by

	<u>01/25/02</u>
Billy Graham	Date
Agencywide IRM, HR	

	<u>01/25/02</u>
Jim Cofer	Date
Configuration Management	

	<u>01/25/02</u>
Hector Garcia	Date
Agencywide IRM	

	<u>01/25/02</u>
Richard Bishop	Date
DBA	

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

01/25/02

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.32**

Approved by

01/25/02

---

Sheila Fogle

Date

Consolidation Center Project Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, AL

01/25/02

## TABLE OF CONTENTS

Section	Page
1. INTRODUCTION.....	1 - 1
1.1 IDENTIFICATION OF THE RELEASE.....	1 - 1
1.2 PURPOSE OF THE RELEASE.....	1 - 1
1.3 SCOPE OF THE RELEASE.....	1 - 1
1.4 CONTACT POINTS .....	1 - 1
2. FUNCTIONAL INFORMATION .....	2 - 1
2.1 FUNCTIONAL CHANGES .....	2 - 1
2.2 FUNCTIONAL INTERFACES .....	2 - 1
2.3 CRITICAL ISSUES .....	2 - 1
2.4 AFFECTED DOCUMENTS.....	2 - 1
2.5 APPLICATION SYSTEM ADMINISTRATION.....	2 - 1
3. TECHNICAL INFORMATION.....	3 - 1
3.1 TECHNICAL SYSTEM INTERFACES .....	3 - 1
3.2 DATA DICTIONARY CHANGES.....	3 - 1
3.3 SOFTWARE OBJECT CHANGES.....	3 - 1
3.4 DATABASE ADMINISTRATION .....	3 - 1
3.4.1 RELEASE DATASET NAMES.....	3 - 1
3.4.2 INVENTORY OF OBJECTS.....	3 - 1
3.4.3 STORAGE CONSIDERATIONS.....	3 - 1
3.4.4 INSTALLATION PROCEDURES.....	3 - 1
3.5 OPERATIONAL PREPARATION.....	3 - 2

## APPENDICES

Appendix		Page
A	ABBREVIATIONS AND ACRONYMS .....	A - 1
B	GLOSSARY .....	B - 1
C	FUNCTIONAL CHANGE VALIDATION PROCEDURES.....	C - 1
D	INSTALLATION INSTRUCTIONS .....	D - 1

## **1. INTRODUCTION**

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

### **1.1 IDENTIFICATION OF THE RELEASE**

System Name – NPPS

Release Number – Software Release 8.32

The release datasets will be made available to the support Database Administrator (DBA) for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

### **1.2 PURPOSE OF THE RELEASE**

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

### **1.3 SCOPE OF THE RELEASE**

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 8.32, including the following:

- Changes implemented since the last release
- References to other documents affected by this release
- Changes to application files and data formats
- Detailed software installation procedures
- Validation procedures to ensure the reliability of the software changes.

### **1.4 CONTACT POINTS**

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical

Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

Telephone: (256) 544-5516

E-Mail: [billy.graham@msfc.nasa.gov](mailto:billy.graham@msfc.nasa.gov)

FAX: (256) 544-1836

## **2. FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Predict changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

Not Applicable

### **2.3 CRITICAL ISSUES**

Not Applicable

### **2.4 AFFECTED DOCUMENTS**

Not applicable

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

Not Applicable



### **3. TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

Not Applicable

#### **3.2 DATA DICTIONARY CHANGES**

Not Applicable

#### **3.3 SOFTWARE OBJECT CHANGES**

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

#### **3.4 DATABASE ADMINISTRATION**

The specific database administration activities for NPPS 8.32 are detailed in Appendix D, Installation Instructions.

##### **3.4.1 Release Dataset Names**

The datasets for Software Release 8.32 are included in the Introduction of Appendix D, Installation Instructions.

##### **3.4.2 Inventory of Objects**

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

##### **3.4.3 Storage Considerations**

Not Applicable

##### **3. 4.4 Installation Procedures**

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

### **3.5 OPERATIONAL PREPARATION**

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

# **APPENDIX A**

## **ABBREVIATIONS AND ACRONYMS**

## **ABBREVIATIONS AND ACRONYMS**

ADP	Automated Data Processing
CPO	Consolidated Payroll Office
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
EEICD	Employee Express Interface Change Document
FEHB	Federal Employee Health Benefits
HR	Human Resources
ICD	Interface Change Document
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NFC	National Finance Center
NOAC	Nature Of Action Code
NPPS	NASA Personnel/Payroll System
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SRS	System/Software Requirements Specification
UOG	User Operations Guide
VDD	Version Description Document

## **APPENDIX B**

### **GLOSSARY**

## **GLOSSARY**

### **Consolidation Center**

Responsibility for processing and balancing payroll for all centers in the consolidated database.

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of an application release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

**APPENDIX C**  
**FUNCTIONAL CHANGE VALIDATION**  
**PROCEDURES**

**VALIDATION PROCEDURES  
SOFTWARE RELEASE 8.32  
PERSONNEL & PAYROLL**

**1. CCR 20010187**

**Purpose:** To change the effective tax rate for supplemental wages and awards to 27%.

**Test Procedure: Select employees for testing**

- A. Process NOAC 840, award type P
- B. Process NOAC 840, award type F-use PF9 for “backward” calculation
- C. Process NOAC 840, award type F
- D. Mature all three awards
- E. Check QAWARD in Payroll
- F. Check MASSAWD in Payroll
- G. Enter Non-Personnel Awards thru CASHPAY
- H. Enter SSN, award type V, enter PR NO, enter CASE NO, enter ICB Category M, enter amount of award
- I. Enter G for government
- J. Enter state tax code
- K. Enter another non-personnel award using award type of M
- L. Enter Gross Amount of Award
- M. Enter G for Government
- N. Enter State tax code of AL
- O. Submit Report 117 to run to show non-personnel awards
- P. Select Duty Status “Z” employee
- Q. Select AL screen, enter annual leave hours
- R. Command to LUMP screen
- S. Enter R to reactivate employee
- T. Enter lump sum leave hours to be paid
- U. Enter Y to deduct Lump Federal Tax

**Validation:** Verify federal tax deducted equals 27% of gross money paid.



**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.32  
JANUARY 2002**

The purpose of this release is to implement the changes allocated to software release 8.32 described below.

**SOFTWARE RELEASE 8.32**

RC 1620s IMPLEMENTED

CCR	Description
20010187	Changes to Federal Tax for Awards/LUMP for 2002

**\*\*\*\*\* RECORD COUNT = 01**

## **APPENDIX D**

### **INSTALLATION INSTRUCTIONS**

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.32  
January 2002**

**Introduction**

Release Date – 01/25/02

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.NPPS.PROD.R832.R0102.SRC

Physical media:  
VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPPS):

Telephone: (256) 544-5516  
E-Mail: [billy.graham@msfc.nasa.gov](mailto:billy.graham@msfc.nasa.gov)  
Fax: (256) 544-1836

## **Installation Sequence**

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions
- 10.0 Installation Checklist

### **1.0 BACKUP EXISTING DATA**

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

### **2.0 COPY SOURCE/OBJECT CODE**

#### **2.1 Copy Source Modules**

When installing software release 8.32, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R832.R0102.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

## Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	0
Maps	1
Help routines	0
Subroutines	1
Subprograms	1
Programs	2
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	5
Total Views Unloaded	0
Total Objects Read	5
Total Object Unloaded	5

## 2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 8.32.

MODULE	Description
NAM1270	LUMP Screen Map
NAO3150C	Official Pay Record – Net Pay
NAO7110B	Non-Personnel Action Cash Awards
NEO3140	Award Processing
NSS1110L	Spot Award Gross Computation

RELEASE PROGRAMS (MOD) ==> 05

### **3.0 PRE-PREDICT DATA CONVERSION**

Not applicable

### **4.0 INSTALL PREDICT**

#### **4.1 Data Dictionary Changes**

Not applicable

##### **4.1.1 Inventory of Objects**

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

Predict Objects by Type:

Keyword	0
Standard Files	0
Conceptual Files	0
ADABAS Files and Views	0
Data Elements	0

##### **4.1.2 Storage Considerations**

The changes represented by this release should not affect storage requirements.

##### **4.1.3 Physical File Changes**

Not applicable

### **5.0 INSTALL DATA GLOSSARY**

Not applicable

### **6.0 CATALOG SOURCE CODES**

When installing software release 8.32, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

## **7.0 POST-PREDICT DATA CONVERSION**

Not applicable

## **8.0 JCL/BJS/Xerox MODIFICATIONS**

### **JCL**

Not applicable

## **9.0 SPECIAL INSTRUCTIONS**

### **9.1 Update NPPS Release Number**

The following process will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 8.32, enter "8.3.2" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

### **9.2 Applicable Tables Updates**

Not applicable

## **10.0 INSTALLATION CHECKLIST**

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 6.0 Catalog Source Code
- 9.0 Special Instructions